

TRIAL # US 801/17/01 002 01 : PCRNSYS 2404  
APPLICATIONS

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: CL  
PH: 6.5  
%OM: 2.5  
PREV.CROP: GLXMA - SOYBEAN  
%RESIDUE: 0  
PLOT WIDTH: 7.5 X 30 FEET  
PLOT AREA: 225 FEET

DESIGN: RCB  
REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09 11 12	11	12	
TYPE	LIQUID MI	LIQUID MI	LIQUID MI	
APPLICATION DATE	04/19/17	05/22/17	05/31/17	AME
TIME - BEGIN	13:00	09:00	10:15	24H
TIME - END	13:30	09:15	10:35	24H
AIR TEMPERATURE	79	68	71	F
% REL.HUMIDITY	61	45	43	
WIND DIRECTION	SOUTH	SOUTHWEST	NORTH	
WIND SPEED	4.0	6.0	5.0	M/H
CLOUD COVER	PAR.CLOUD	HAZY SUN-	CLEAR-0%	
DEW	TO BE SEL	YES	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	DRY/MOIST	
SOIL CONDITION	TO BE SEL	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	65/4.00	60/4.00	70/4.00	F/IN
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION				
NOZZLE VOLUME	0.00	0.00	0.00	GPM
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SCREEN SIZE				
SCREEN SZ DESC	NA	NA	NA	
SWATH WIDTH	7.5	7.5	7.5	FT
BOOM HEIGHT	20.0	20.0	20.0	IN
SPEED	3.00	3.00	3.00	M/H
MIX SIZE	0.530	0.330	0.330	
MIX SIZE UNIT	GAL	GAL	GAL	
SPRAY VOLUME	20.00	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE				AME
INC. START				24H
INC. END				24H
INC. DEPTH				IN
INC. EQUIPMENT	TO BE SEL	TO BE SEL	TO BE SEL	
FOLIAGE HEIGHT				FT
FOLIAGE WIDTH				FT
ROW WIDTH				FT
SPRAY VOL LWA/TRV				
S VOL LWA/TRV UNIT				
LEAF WALL AREA				M2H
TREE ROW VOLUME				M3H
SPECIE AND STAGE	DEN / STG MIN / MAX	DEN / STG MIN / MAX	DEN / STG MIN / MAX	
CROP *				
P, CORN, DENT DK 61-55RIB (PLANTED) 04/19/2017		---/14 6.00/7.00 33 DAP	---/16 12.0/14.0 42 DAP	IN
PEST *				
P, LAMBSQUARTERS, C		---/16 0.50/2.00	---/18 1.00/2.50	IN
P, MORNINGGLORY, IV		---/11 0.50/1.00	---/13 1.00/2.00	IN
P, FOXTAIL, GIANT		---/15 1.00/4.00	---/15 2.00/4.00	IN

\*\*\* CONTINUE

TRIAL # US 801/17/01 002 01 : PCRNSYS 2404  
APPLICATIONS

SPECIE AND STAGE	DEN / STG	DEN / STG	DEN / STG	
	MIN / MAX	MIN / MAX	MIN / MAX	
PEST *				
P, COCKLEBUR, COMMO		---/14 0.50/3.00	---/14 1.00/3.00	IN

\* TIMING CODES

09 = --- / PREEMERGENCE  
 11 = --- / EPOST  
 12 = --- / POST

\* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4 LEAVES UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5 LEAVES UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6 LEAVES UNFOLDED  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRIAL # US 801/17/01 002 01 : PCRNSYS 2404  
DATA MEAN

TITLE: Weed Control Systems in RR/LL Corn. 2404  
 CREATED: 04/14/2017 REVISED: 03/20/2018 COMPLETED: N  
 PROJECT TYPE: HERBICIDE  
 LOCATION: Perry RESEARCHED BY: MAXWELL  
 DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN  
 PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG  
 PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	XANST	IPOHE	CHEAL	ZEAMD
		RATE	UNIT	TM	CON % 05/31/17	CON % 05/31/17	CON % 05/31/17	CON % 05/31/17	CON % 05/31/17	CON % 06/09/17
1A»	SURESTART II 4	1.30	LAA	9	3	94	77	58	99	0
	B ATRAZINE DF	1.00	LAA	9						
	C»DURANGO 4AE	1.00	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
2A»	RESICORE 3.29S	2.47	LAA	9	2	93	78	68	99	0
	B ATRAZINE DF	1.00	LAA	9						
	C»DURANGO 4AE	1.00	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
3A»	RESICORE 3.29S	1.23	LAA	9	0	93	67	79	99	6
	B ATRAZINE DF	1.00	LAA	9						
	C»RESICORE 3.29S	1.03	LAA	12						
	D ATRAZINE DF	0.50	LAA	12						
	E»DURANGO 4AE	1.00	LAA	12						
	F»LIQUID AMS	2.50	PMV	12						
4A»	VERDICT 5.57L	0.696	LAA	9	2	92	62	73	96	1
	B»RNDUP POWERMAX	1.00	LAA	12						
	C»STATUS 56DG	0.175	LAA	12						
	D»ACTIVATOR 90	0.25	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
5A»	CORVUS 2.6SC	0.081	LAA	9	2	85	83	88	99	6
	B ATRAZINE DF	1.00	LAA	9						
	C»RNDUP POWERMAX	1.00	LAA	12						
	D»DIFLEXX 4L	0.375	LAA	12						
	E»ACTIVATOR 90	0.25	PMV	12						
	F»LIQUID AMS	2.50	PMV	12						
6A»	BAL FLEXX 2L	0.047	LAA	9	0	65	45	63	99	80
	B ATRAZINE DF	1.00	LAA	9						
	C»LAUDIS 3.5SC	0.082	LAA	12						
	D»LIBERTY 2.34L	0.40	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						
7A»	BKFREE NXT ATZ	3.50	LAA	9	2	95	68	63	99	1
	B»REALM Q	4.00	OMA	0						
	C RESOLVE 25DF	0.0188	LAA	12						
	D»MESOTRIONE 50W	0.078	LAA	12						
	E»ISOXADIFEN-ETH	0.0094	LAA	12						
	F ATRAZINE DF	0.50	LAA	12						
	G»ABUNDIT EDGE 4	1.00	LAA	12						
	H»COC	1.00	PMV	12						
	I»LIQUID AMS	2.50	PMV	12						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
9A»	ACURON 3.44 ZC	1.08	LAA	9	0	84	68	47	99	4
	B»ACURON 3.44 ZC	1.08	LAA	12						
	C»RNDUP POWERMAX	0.91	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
10A»	DIFLEXX DUO 1.	0.38	LAA	11	2	90	98	99	99	0
	B ATRAZINE DF	0.50	LAA	11						
	C»RNDUP POWERMAX	1.00	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
11A»	HALEX GT 4.38L	1.97	LAA	11	5	86	96	99	99	0
	B ATRAZINE DF	1.00	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
12A»	SURESTART II 4	1.04	LAA	11	2	96	95	99	99	0
	B ATRAZINE DF	1.00	LAA	11						
	C»DURANGO 4AE	1.00	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						

TRIAL # US 801/17/01 002 01 : PCRNSYS 2404  
DATA MEAN

**TITLE:** Weed Control Systems in RR/LL Corn. 2404

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	XANST	IPOHE	CHEAL	ZEAMD
		RATE	UNIT	TM	CON % 05/31/17	CON % 05/31/17	CON % 05/31/17	CON % 05/31/17	CON % 05/31/17	CON % 06/09/17
13A»	RESICORE 3.29S	2.06	LAA	9	3	94	77	90	99	0
	B ATRAZINE DF	1.00	LAA	9						
14A»	CORVUS 2.6SC	0.114	LAA	9	3	86	86	83	99	0
	B ATRAZINE DF	1.00	LAA	9						
15A»	ACURON 3.44 ZC	2.15	LAA	9	0	94	78	77	99	0
16A»	ACURON FLEXI 3	1.63	LAA	9	0	93	77	70	96	0
		LSD (0.05)			3.9	6.0	11.7	24.8	1.6	2.4
		STANDARD DEVIATION			1.9	2.9	5.7	12.2	0.8	1.2

TRIAL # US 801/17/01 002 01 : PCRNSYS 2404  
DATA MEAN

TITLE: Weed Control Systems in RR/LL Corn. 2404  
 CREATED: 04/14/2017 REVISED: 03/20/2018 COMPLETED: N  
 PROJECT TYPE: HERBICIDE  
 LOCATION: Perry RESEARCHED BY: MAXWELL  
 DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN  
 PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG  
 PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			SETFA	XANST	IPOHE	CHEAL	ZEAMD	SETFA
		RATE	UNIT	TM	CON % 06/09/17	CON % 06/09/17	CON % 06/09/17	CON % 06/09/17	CON % 06/26/17	CON % 06/26/17
1A»	SURESTART II 4	1.30	LAA	9	99	90	82	99	0	93
	B ATRAZINE DF	1.00	LAA	9						
	C»DURANGO 4AE	1.00	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
2A»	RESICORE 3.29S	2.47	LAA	9	98	95	87	99	0	89
	B ATRAZINE DF	1.00	LAA	9						
	C»DURANGO 4AE	1.00	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
3A»	RESICORE 3.29S	1.23	LAA	9	99	99	98	99	0	98
	B ATRAZINE DF	1.00	LAA	9						
	C»RESICORE 3.29S	1.03	LAA	12						
	D ATRAZINE DF	0.50	LAA	12						
	E»DURANGO 4AE	1.00	LAA	12						
	F»LIQUID AMS	2.50	PMV	12						
4A»	VERDICT 5.57L	0.696	LAA	9	99	93	92	99	0	96
	B»RNDUP POWERMAX	1.00	LAA	12						
	C»STATUS 56DG	0.175	LAA	12						
	D»ACTIVATOR 90	0.25	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
5A»	CORVUS 2.6SC	0.081	LAA	9	98	97	98	99	0	88
	B ATRAZINE DF	1.00	LAA	9						
	C»RNDUP POWERMAX	1.00	LAA	12						
	D»DIFLEXX 4L	0.375	LAA	12						
	E»ACTIVATOR 90	0.25	PMV	12						
	F»LIQUID AMS	2.50	PMV	12						
6A»	BAL FLEXX 2L	0.047	LAA	9	91	98	99	99	C	C
	B ATRAZINE DF	1.00	LAA	9						
	C»LAUDIS 3.5SC	0.082	LAA	12						
	D»LIBERTY 2.34L	0.40	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						
7A»	BKFREE NXT ATZ	3.50	LAA	9	98	97	97	99	0	92
	B»REALM Q	4.00	OMA	0						
	C RESOLVE 25DF	0.0188	LAA	12						
	D»MESOTRIONE 50W	0.078	LAA	12						
	E»ISOXADIFEN-ETH	0.0094	LAA	12						
	F ATRAZINE DF	0.50	LAA	12						
	G»ABUNDIT EDGE 4	1.00	LAA	12						
	H»COC	1.00	PMV	12						
	I»LIQUID AMS	2.50	PMV	12						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
9A»	ACURON 3.44 ZC	1.08	LAA	9	98	98	97	99	0	96
	B»ACURON 3.44 ZC	1.08	LAA	12						
	C»RNDUP POWERMAX	0.91	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
10A»	DIFLEXX DUO 1.	0.38	LAA	11	95	97	98	99	0	83
	B ATRAZINE DF	0.50	LAA	11						
	C»RNDUP POWERMAX	1.00	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
11A»	HALEX GT 4.38L	1.97	LAA	11	93	89	99	99	0	85
	B ATRAZINE DF	1.00	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
12A»	SURESTART II 4	1.04	LAA	11	97	96	99	99	0	90
	B ATRAZINE DF	1.00	LAA	11						
	C»DURANGO 4AE	1.00	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						

TRIAL # US 801/17/01 002 01 : PCRNSYS 2404  
DATA MEAN

**TITLE:** Weed Control Systems in RR/LL Corn. 2404

TRT NUM	TREATMENT COMPONENT	DOSAGE			SETFA	XANST	IPOHE	CHEAL	ZEAMD	SETFA
		RATE	UNIT	TM	CON % 06/09/17	CON % 06/09/17	CON % 06/09/17	CON % 06/09/17	CON % 06/26/17	CON % 06/26/17
13A»	RESICORE 3.29S	2.06	LAA	9	88	72	81	99	0	73
	B ATRAZINE DF	1.00	LAA	9						
14A»	CORVUS 2.6SC	0.114	LAA	9	73	81	70	99	0	53
	B ATRAZINE DF	1.00	LAA	9						
15A»	ACURON 3.44 ZC	2.15	LAA	9	86	70	63	99	0	73
16A»	ACURON FLEXI 3	1.63	LAA	9	85	68	58	92	0	70
		LSD (0.05)			4.8	12.0	20.4	2.9	0.0	6.7
		STANDARD DEVIATION			2.3	5.9	10.0	1.4	0.0	3.3

TRIAL # US 801/17/01 002 01 : PCRNSYS 2404  
DATA MEAN

TITLE: Weed Control Systems in RR/LL Corn. 2404  
 CREATED: 04/14/2017 REVISED: 03/20/2018 COMPLETED: N  
 PROJECT TYPE: HERBICIDE  
 LOCATION: Perry RESEARCHED BY: MAXWELL  
 DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN  
 PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG  
 PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			XANST	IPOHE	CHEAL	YIELD
		RATE	UNIT	TM	CON % 06/26/17	CON % 06/26/17	CON % 06/26/17	BU/A 10/18/17
1A	SURESTART II 4	1.30	LAA	9	80	75	99	171
B	ATRAZINE DF	1.00	LAA	9				
C	DURANGO 4AE	1.00	LAA	12				
D	LIQUID AMS	2.50	PMV	12				
2A	RESICORE 3.29S	2.47	LAA	9	82	82	99	152
B	ATRAZINE DF	1.00	LAA	9				
C	DURANGO 4AE	1.00	LAA	12				
D	LIQUID AMS	2.50	PMV	12				
3A	RESICORE 3.29S	1.23	LAA	9	90	94	99	163
B	ATRAZINE DF	1.00	LAA	9				
C	RESICORE 3.29S	1.03	LAA	12				
D	ATRAZINE DF	0.50	LAA	12				
E	DURANGO 4AE	1.00	LAA	12				
F	LIQUID AMS	2.50	PMV	12				
4A	VERDICT 5.57L	0.696	LAA	9	82	89	99	157
B	RNDUP POWERMAX	1.00	LAA	12				
C	STATUS 56DG	0.175	LAA	12				
D	ACTIVATOR 90	0.25	PMV	12				
E	LIQUID AMS	2.50	PMV	12				
5A	CORVUS 2.6SC	0.081	LAA	9	83	90	99	154
B	ATRAZINE DF	1.00	LAA	9				
C	RNDUP POWERMAX	1.00	LAA	12				
D	DIFLEXX 4L	0.375	LAA	12				
E	ACTIVATOR 90	0.25	PMV	12				
F	LIQUID AMS	2.50	PMV	12				
6A	BAL FLEXX 2L	0.047	LAA	9	C	C	C	68
B	ATRAZINE DF	1.00	LAA	9				
C	LAUDIS 3.5SC	0.082	LAA	12				
D	LIBERTY 2.34L	0.40	LAA	12				
E	LIQUID AMS	2.50	PMV	12				
7A	BKFREE NXT ATZ	3.50	LAA	9	82	91	99	164
B	REALM Q	4.00	OMA	0				
C	RESOLVE 25DF	0.0188	LAA	12				
D	MESOTRIONE 50W	0.078	LAA	12				
E	ISOXADIFEN-ETH	0.0094	LAA	12				
F	ATRAZINE DF	0.50	LAA	12				
G	ABUNDIT EDGE 4	1.00	LAA	12				
H	COC	1.00	PMV	12				
I	LIQUID AMS	2.50	PMV	12				
8A	CHECK	0.00	NA	0	0	0	0	21
9A	ACURON 3.44 ZC	1.08	LAA	9	87	93	99	157
B	ACURON 3.44 ZC	1.08	LAA	12				
C	RNDUP POWERMAX	0.91	LAA	12				
D	LIQUID AMS	2.50	PMV	12				
10A	DIFLEXX DUO 1.	0.38	LAA	11	85	87	99	159
B	ATRAZINE DF	0.50	LAA	11				
C	RNDUP POWERMAX	1.00	LAA	11				
D	LIQUID AMS	2.50	PMV	11				
11A	HALEX GT 4.38L	1.97	LAA	11	67	94	99	140
B	ATRAZINE DF	1.00	LAA	11				
C	ACTIVATOR 90	0.25	PMV	11				
D	LIQUID AMS	2.50	PMV	11				
12A	SURESTART II 4	1.04	LAA	11	80	91	99	175
B	ATRAZINE DF	1.00	LAA	11				
C	DURANGO 4AE	1.00	LAA	11				
D	LIQUID AMS	2.50	PMV	11				

